BRUHATH BANGLORE MAHANAGARA PALIKE

Name of work : Repair and renovation to Samudhaya Building at JP colony in ward no-05 Yelahanka New town sub division

								Estimate Cost	**1200000**
Sl No	**Description of Item**	**Mesurement**					**Qty**	**Rate**	**Amount**
		Unit	**No**	**L**	**B**	**D**			
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.(PWD SR 2021-22 Vol -I Pg 163 item No. 19.3)								
	Stair case	Cum	1	1.30		7.7	10.01		
	Parapet wall	Cum	1	5.85		0.7	4.10		
	Basic rate							1,858.00	
	Area weightage 10%							185.8	
	Total						14.11	2043.8	28827.80
2	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge..(PWD SR 2021-22 Vol -I Pg 163 item No. 19.5)								
	Stair case	Cum	1	1.30		7.7	10.01		
	Parapet wall	Cum	1	5.85		0.7	4.10		
	Basic rate							558.00	
	Area weightage 10%							55.8	
	Total						14.11	613.80	8657.65
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge..(PWD SR 2021-22 Vol -I Pg 163 item No. 19.7.1)								
	parapet wall								
	Longer direction	Cum	1	5.85		0.7	4.10		
	shorter direction	Cum	2	6.16		0.7	8.62		
	Basic rate							369	
	Area weightage 10%							36.9	
	Total						12.72	405.9	5162.64
4	Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles above 25 mm and up to 40 mm.(PWD SR 2021-22 Vol -I Pg 165 item No. 19.22)								
	Anganavadi								
	Ground floor hall	Sqm	1	5.85	4.10		23.99		
	First floor hall	Sqm	1	5.85	4.10		23.99		
	toilet	Sqm	1	1.30	1.20		1.56		
	kitchen	Sqm	1	1.85	1.45		2.68		
	Basic rate							56	
	Area weightage 10%							5.6	
	Total						52.21	61.6	3216.29

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5	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. (PWD SR 2021-22 Vol -II Pg 59 item no 9.2)								
	Hardner Concrete								
	Anganavadi								
	Ground floor hall	Sqm	1	5.85	4.10		23.99		
	First floor hall	Sqm	1	5.85	4.10		23.99		
	toilet	Sqm	1	1.30	1.20		1.56		
	kitchen	Sqm	1	1.85	1.45		2.68		
	Deduction								
	toilet	Sqm	-1	1.30	1.20		-1.56		
	kitchen	Sqm	-1	1.85	1.45		-2.68		
	Basic rate							705.00	
	Area weightage 10%							70.5	
	Total						47.97	775.5	37200.74
6	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete (PWD SR 2021-22 Vol -II Pg 61 item no 9.17.1)								
	Anganavadi								
	Ground floor hall	Sqm	1	5.85	4.10		23.99		
	First floor hall	Sqm	1	5.85	4.10		23.99		
	toilet	Sqm	1	1.30	1.20		1.56		
	kitchen	Sqm	1	1.85	1.45		2.68		
	Deduction								
	toilet	Sqm	-1	1.30	1.20		-1.56		
	kitchen	Sqm	-1	1.85	1.45		-2.68		
	Basic rate							1,027.00	
	Area weightage 10%							102.7	
	Total						47.97	1129.7	54191.71
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
		Sqm	1	110.00	0.90		99.00		
	Data rate							2072.00	
	Total						99.00	2072.00	205128.00
8	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)								

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	Footings	Cum	2	1.00	1.00	1.500	3.00		
	Basic rate							199.00	
	Area weightage 10%							19.9	
	Total						3.00	218.9	656.70
9	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)								
	Footings	Cum	2	1.00	1.00	0.100	0.20		
	Basic rate							2561.00	
	Area weightage 10%							256.1	
	Total						0.20	2817.1	563.42
10	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	Footings	Cum	2	1.00	1.00	0.150	0.30		
	Basic rate							5554.00	
	Area weightage 10%							555.4	
	Total						0.30	6109.40	1832.82
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	Qty vide from : 08				3.00		
	PCC for Footing	Cum	Qty vide from : 10				-0.30		
	Filling in foundation with granite / trap broken metal	Cum	Qty vide from : 09				-0.20		
	Footing Concrete Quantity	Cum	Qty vide from : 12				-0.60		
	Basic rate							204.00	
	Area weightage 10%							20.4	
	Total						1.90	224.40	426.36
12	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)								
	Footings								
		Cum	No	1	1	0.6	0.60		
	Basic rate							5992.00	
	Add 8% For Shuttering							599.20	
	Sub Total							6591.20	

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Area weightage 10%							659.12	
Total						0.60	7250.32	4350.19

13 Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)

Columns upto top slab								
	Cum	1	0.3	0.75	6.40	1.44		
Basic rate							6186.00	
Add 10% for Shuttering							618.60	
Sub total							6804.60	
Area weightage 10%							680.46	
Total						1.44	7485.06	10778.49
Beams								
	Cum	1	1.30	0.30	0.300	0.12		
	Cum	1	1.30	0.30	0.300	0.12		
Basic rate							6186.00	
Add 20% for Shuttering							1237.20	
Sub total							7423.20	
Area weightage 10%							742.32	
Total						0.23	8165.52	1910.73
Staircase								
Ground floor								
Waist slab	Cum	2	3.00	0.6	0.175	0.63		
Steps	Cum	22	0.60		0.022	0.29		
			triangular area 0.5*0.3*0.15=0.022					
Landing slab	Cum	1	1.30	0.6	0.175	0.14		
Second floor								
Waist slab	Cum	2	3.00	0.6	0.175	0.63		
Steps	Cum	22	0.60		0.022	0.29		
			triangular area 0.5*0.3*0.15=0.022					
Landing slab	Cum	1	1.30	0.6	0.175	0.14		
Basic rate							6186.00	
Add 20% for Shuttering							1237.20	

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	Sub total							7423.20	
	Area weightage 10%							742.32	
	Total						2.11	8165.52	17260.28
14	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)								
	Ground Floor								
	Footing	Cum	Concrete Quantity				0.60		
		kg	Steel assumed 100 Kg/Cum of Concrete				63.0		
		tonne					0.06		
	Column	Cum	Concrete Quantity				1.44		
		kg	Steel assumed 140 Kg/Cum of Concrete				201.60		
		tonne					0.20		
	Beam	Cum	Concrete Quantity				0.23		
		kg	Steel assumed 130 Kg/Cum of Concrete				30.4		
		tonne					0.03		
	Basic rate							96.00	
	Area weightage 10%							9.60	
	Total						295.0	105.6	31154.11
15	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.33 of PWD SR 2021-22)								
	Parapet Wall								
		Sqm	2	6.16		1.00	12.32		
		Sqm	2	5.80		1.00	11.60		
	Basic Rate							1061.00	
	Area weightage 10%							106.10	
	Total						23.92	1167.10	27917.03
16	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Ground floor inside wall								
	North side	Sqm	1	5.65		3.2	18.08		
	South side	Sqm	1	5.65		3.2	18.08		
	East side	Sqm	1	4.10		3.2	13.12		
	West side	Sqm	1	4.10		3.2	13.12		
	Ceiling								
	Hall	Sqm	1	5.65	4.1		23.17		
	First floor insde wall								
	North side	Sqm	1	5.65		3.2	18.08		
	South side	Sqm	1	5.65		3.2	18.08		

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East side	Sqm	1	4.10		3.2	13.12		
West side	Sqm	1	4.10		3.2	13.12		
Ceiling								
Hall	Sqm	1	5.65	4.1		23.17		
Deduction								
Door	Sqm	-2.00	1.80		2.10	-7.56		
Windows	Sqm	-4.00	1.55		1.20	-7.44		
ventilater								
V1	Sqm	-1.00	0.90		0.45	-0.41		
V2	Sqm	-1.00	0.45		0.45	-0.20		
Kitchen tiles								
Longer direction	Sqm	-2	1.85		1	-3.70		
Shorter direction	Sqm	-2	1.47		1	-2.93		
Toilet Tiles								
Longer direction	Sqm	-2	1.30		2.1	-5.46		
Shorter direction	Sqm	-2	1.21		2.1	-5.08		
Basic rate							37.00	
Area weightage 10%							3.7	
Total						138.35	40.7	5630.87

17 Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 42 item no 8.9)

Ground floor inside wall								
North side	Sqm	1	5.65		3.2	18.08		
South side	Sqm	1	5.65		3.2	18.08		
East side	Sqm	1	4.10		3.2	13.12		
West side	Sqm	1	4.10		3.2	13.12		
First floor insde wall								
North side	Sqm	1	5.65		3.2	18.08		
South side	Sqm	1	5.65		3.2	18.08		
East side	Sqm	1	4.10		3.2	13.12		
West side	Sqm	1	4.10		3.2	13.12		
Stair case								
First floor								
Waist slab	Sqm	2	3.93	0.6		4.72		
Riser	Sqm	22	0.30	0.15		0.99		
Thread	Sqm	21	0.60	0.15		1.89		

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	Landing	Sqm	1	1.30	0.6		0.78		
	Second floor								
	Waist slab	Sqm	2	3.93	0.6		4.72		
	Riser	Sqm	22	0.30	0.15		0.99		
	Thread	Sqm	21	0.60	0.15		1.89		
	Landing	Sqm	1	1.30	0.6		0.78		
	Deduction								
	Door	Sqm	-2.00	1.80		2.10	-7.56		
	Windows	Sqm	-4.00	1.55		1.20	-7.44		
	ventilater								
	V1	Sqm	-1.00	0.90		0.45	-0.41		
	V2	Sqm	-1.00	0.45		0.45	-0.20		
	Kitchen tiles								
	Longer direction	Sqm	-2	1.85		1	-3.70		
	Shorter direction	Sqm	-2	1.47		1	-2.93		
	Toilet Tiles								
	Longer direction	Sqm	-2	1.30		2.1	-5.46		
	Shorter direction	Sqm	-2	1.21		2.1	-5.08		
	Basic rate							322.00	
	Area weightage 10%							32.2	
	Total						108.77	354.2	38527.22
18	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge (Vol 2/ P No-41/ I no- 8.3.1 of PWD SR 2021-22)								
	Parapet wall								
		Sqm	2	6.16		1.00	12.32		
		Sqm	2	5.80		1.00	11.60		
	Basic Rate							299.00	
	Area weightage 10%							29.90	
	Total						23.92	328.90	7867.29
19	Providing 12mm thick cement plaster in floating coat of neat cement of mix :1:4 to Brick masonry including rounding off corners wherever reduired smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per diredtion of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 41 item no 8.4.2)								
	Ground Floor								
	Ceiling								
	Hall	Sqm	1	5.65	4.10		23.17		
	First Floor								
	Ceiling								

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	Hall	Sqm	1	5.65	4.1		23.17		
	Basic rate							262.00	
	Area weightage 10%							26.20	
	Total						46.33	288.20	13352.31
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(PWD SR 2021-22 Vol -II Pg 50 item no 8.51)								
	For Anganavadi Building								
	Ground floor								
	Hall								
	Longer Direction	Sqm	2	5.85		3.20	37.44		
	Shorter Direction	Sqm	2	4.10		3.20	26.24		
	Ceiling								
		Sqm	1.00	5.85	4.10		23.99		
	First floor								
	Hall								
	Longer Direction	Sqm	2.00	5.85		3.20	37.44		
	Shorter Direction	Sqm	2.00	4.10		3.20	26.24		
	Kitchen								
	Longer Direction	Sqm	1.00	1.85		3.20	5.92		
	Shorter Direction	Sqm	1.00	1.45		3.20	4.64		
	Toilet						0.00		
	Longer Direction	Sqm	1.00	1.30		2.10	2.73		
	Shorter Direction	Sqm	1.00	1.21		2.10	2.54		
	Deduction								
	Door	Sqm	-2.00	1.80		2.10	-7.56		
	Windows	Sqm	-4.00	1.55		1.20	-7.44		
	ventilater								
	V1	Sqm	-1.00	0.90		0.45	-0.41		
	V2	Sqm	-1.00	0.45		0.45	-0.20		
	Kitchen tiles								
	Longer direction	Sqm	-2	1.85		1	-3.70		
	Shorter direction	Sqm	-2	1.47		1	-2.93		
	Toilet Tiles								
	Longer direction	Sqm	-2	1.30		2.1	-5.46		
	Shorter direction	Sqm	-2	1.21		2.1	-5.08		
	Basic rate							83.00	

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	Area weightage 10%							8.3	
	Total						134.40	91.30	12270.40
21	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.30)								
	Outside Painting for samudhaya bhavan								
	Longer Direction	Sqm	2	6.80		3.00	40.80		
	Shorter Direction	Sqm	2	5.20		3.00	31.20		
	Toilet								
	Longer Direction	Sqm	2	1.93		3.10	11.97		
	Shorter Direction	Sqm	2	1.73		3.10	10.73		
	Chejja (Window W1)	Sqm	2	1.60	0.7		2.24		
	Chejja (window W2)	Sqm	1	0.90	0.7		0.63		
	Chejja (Door)	Sqm	1	1.90	0.7		1.33		
	STAIRCASE						0.00		
	First flight						0.00		
	Waist slab	Sqm	1	1.30	1		1.30		
	Second flight						0.00		
	Waist slab	Sqm	1	3.00	1		3.00		
	Parapet wall								
	Longer Direction	Sqm	2	6.80		0.75	10.20		
	Shorter Direction	Sqm	2	5.20		0.75	7.80		
	Deduction								
	Main door	Sqm	-1.00	1.80		2.10	-3.78		
	Toilet door	Sqm	-1.00	0.75		1.93	-1.45		
	windows (w1)	Sqm	-2.00	1.55		1.20	-3.72		
	windows(w2)	Sqm	-1.00	0.80		1.20	-0.96		
	For Anganavadi Building								
	Longer Direction	Sqm	1.00	6.16		7.70	47.43		
	Shorter Direction	Sqm	1.00	5.80		7.70	44.66		
	Chejja (Window)	Sqm	4.00	3.26	0.70		9.13		
	Chejja (Door)	Sqm	4.00	2.90	0.70		8.12		
	Deduction								
	Main door	Sqm	-2.00	1.80		2.10	-7.56		
	windows	Sqm	-4.00	1.55		1.20	-7.44		
	ventilater								
	V1	Sqm	-1.00	0.90		0.45	-0.41		

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	V2	Sqm	-1.00	0.45		0.45	-0.20		
	Basic rate							136.00	
	Area weightage 10%							13.6	
	Total						205.02	149.6	30670.54
22	Finishing with Epoxy paint (two coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 48 item no 8.36.2)								
	Inside Painting for Samudhaya bhavana								
	Longer Direction	Sqm	2	6.80		3.00	40.80		
	Shorter Direction	Sqm	2	5.20		3.00	31.20		
	Toilet								
	Longer Direction	Sqm	2	1.93		3.10	11.97		
	Shorter Direction	Sqm	2	1.73		3.10	10.73		
	Ceiling	Sqm	1	6.80	5.20		35.36		
	Chejja (Window W1)	Sqm	4	1.30	0.6		3.12		
	Chejja (window W2)	Sqm	2	0.90	0.6		1.08		
	Chejja (Door)	Sqm	2	1.90	0.6		2.28		
	Deduction								
	Main door	Sqm	-1.00	1.80		2.10	-3.78		
	Toilet door	Sqm	-1.00	0.75		1.93	-1.45		
	windows (w1)	Sqm	-2.00	1.55		1.20	-3.72		
	windows(w2)	Sqm	-1.00	0.80		1.20	-0.96		
	For Anganavadi Building								
	Ground floor								
	Hall								
	Longer Direction	Sqm	2	5.85		3.20	37.44		
	Shorter Direction	Sqm	2	4.10		3.20	26.24		
	Ceiling								
		Sqm	1.00	5.85	4.10		23.99		
	First floor								
	Hall								
	Longer Direction	Sqm	2.00	5.85		3.20	37.44		
	Shorter Direction	Sqm	2.00	4.10		3.20	26.24		
	Kitchen								
	Longer Direction	Sqm	1.00	1.85		3.20	5.92		
	Shorter Direction	Sqm	1.00	1.45		3.20	4.64		
	Toilet						0.00		
	Longer Direction	Sqm	1.00	1.30		2.10	2.73		
	Shorter Direction	Sqm	1.00	1.21		2.10	2.54		

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	Deduction								
	Door	Sqm	-2.00	1.80		2.10	-7.56		
	Windows	Sqm	-4.00	1.55		1.20	-7.44		
	ventilater								
	V1	Sqm	-1.00	0.90		0.45	-0.41		
	V2	Sqm	-1.00	0.45		0.45	-0.20		
	Kitchen tiles								
	Longer direction	Sqm	-2	1.85		1	-3.70		
	Shorter direction	Sqm	-2	1.47		1	-2.93		
	Toilet Tiles								
	Longer direction	Sqm	-2	1.30		2.1	-5.46		
	Shorter direction	Sqm	-2	1.21		2.1	-5.08		
	Basic rate							138.00	
	Area weightage 10%							13.8	
	Total						261.02	151.8	39622.99
23	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge.								
	Concrete flooring								
	for samudhaya bhavan	Sqm	1	0.65	5.20		3.38		
	For Anganavadi Building	Sqm	1	0.90	5.50		4.95		
	Basic rate							724.00	
	Area weightage 10%							72.4	
	Total						8.33	796.4	6634.01
24	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.SI No.12.Item No 13.34).								
	Sintex								
	for samudhaya bhavan	ltr	2000				2000.00		
	For Anganavadi Building	ltr	1000				1000.00		
	Basic rate							8.00	
	Area weightage 10%							0.80	
	Total						3000.00	8.80	26400.00
25	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)								
	for samudhaya bhavan	Sqm	1	6.8	5.2		35.36		
	For Anganavadi Building	Sqm	1	6.6	5.8		38.28		
	Basic rate							745.00	

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	Area weightage 10%							74.50	
	Total						73.64	819.50	60347.98
26	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid (PWD SR 2021-22 Vol -II Pg 123 item no 14.3.1)								
	For anganavadi Toilet	each	1				1		
	for samudhaya bhavan	each	1				1		
	Basic rate							5,005.00	
	Area weightage 10%							500.50	
	Total						2.00	5505.50	11011.00
27	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern(PWD SR 2021-22 Vol -II Pg 123 item no 14.3.1)								
	For anganavadi	each	1				1		
	for samudhaya bhavan	each	1				1		
	Basic rate							5,199.00	
	Area weightage 10%							519.90	
	Total						2.00	5718.90	11437.80
28	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work(PWD Electrical 2021-22 page no 34 item no 11.3.1)								
	for samudhaya bhavan								
	Hall	each	4				4		
	Toilet	each	2				2		
	Near door	each	1				1		
	For Anganavadi Building								
	Hall	each	4				4		
	Toilet	each	1				1		
	kitchen	each	1				1		
	Near door	each	2				2		
	Basic rate							496.00	
	Total						15.00	496.00	7440.00
29	Supplying and fixing of slim patty fitting, made out of CRCA Sheet metal body with locking type holder completely wired Excluding Ballast & Fluorescent Tube(SR for Electrical 2021-22 tem no 11.13.2 Pg 37)								
	Samudhaya Bhavana								
		each	4				4		
	Anganavadi Building								
		each	4				4		
	Basic rate							2085	

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	Total						8.00	2085.00	16680.00
30	Supplying heavy gauge PVC conduit pipe ..... mm dia.....mm thick confirming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick(PWD SR 2021-2022-Electrical Work-Part I,Pg 1,Item No.1.1.2)								
	For Samudhaya Bhavan	m	4	3			12		
	For Anganavadi Building	m	4	7			28		
	Basic rate							70	
	Total						40.00	70.00	2800.00
31	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM								
	Samudhaya bhavana								
		each	1				1		
	Angavadi Building								
		each	1				1		
	Basic rate							17470.00	
	Area weightage 10%							1747	
	Total						2.00	19217	38434.00
32	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS: 1709/1984 with latest amendment, Rated voltage 220 V/50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value 4.2 CMM / W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V, Insulation resistance Shall not be less than Two Mega Ohms (2M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, W& current, Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty.								
	48" Sweep 5 Star (1200 mm) Each 2900.00 2949.00								
	Samudhaya bhavan								
		each	2				2		
	Anganavadi Building								
		each	2				2		
	Total						4	2949	11796.00
33	Round S S Chairs for samudhayabhavana. complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Round SS Chairs	Nos	40				40.00		
	Data rate							1300.00	
	Total						40.00	1300.00	52000.00
34	Spacepanda Apollon Full Stainless Steel Folding Table, 18 gauge ,multipurpose table, Metal conference table (Free Standing , finish color - Grey, pre- assembled) for samudhayabhavana. complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Stain Less Folding Table	Nos	7				7.00		
	Data rate							16900.00	
	Total						7.00	16900.00	118300.00
35	GREEN SOUL Seuol-X Mid Back Ergonomic Chair (Home Office, WFH Moulded Foam Extra Comfort Faabric Office Executive Chair complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Chairs	each	1				1		

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	Data rate							6557.2	
	Total						1.00	6557.20	6557.20
36	Godrej Boltless Rack for Storing books of all types. complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Godrej Book Racks	each	1				1		
	Data rate							21970	
	Total						1.00	21970.00	21970.00
37	Nilkamal Metalica visitor Chair, complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Nilkamal Metalica visitor Chair	each	3				3		
	Data rate							3120	
	Total						3.00	3120.00	9360.00
38	Four Shelf Almirah for Office and institutional usage .made with painted or powder coated ISI Grade mild steel body complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Office Almirah -Four shelves	each	1				1		
	Data rate							16250	
	Total						1.00	16250.00	16250.00
39	Woodyou Acura Office Table - home office desk designed to effortlessy hide computer equipment complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Woodyou Acura Office Table	each	1				1		
	Data rate							9618.7	
	Total						1.00	9618.70	9618.70
40	Rubber door mats. complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Door mats	each	6.00				6		
	Data rate							325	
	Total						6.00	325	1950.00

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TOTAL AMOUNT	1016163.26
GST Charges (18% of estimated cost)	182909.4
Miscellaneous and Rounding off	927.36
Grand Total	1200000.00

(Twelve Lakhs Only)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on S.R of 2021-2022, PWD Electrical SR 2021-22, Data Rates, Issused Rates and Corrigenda 1 & 2.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜ ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

Executive Engineer
BBMP

Administrative Approval

Accorded For ...12.00 Lakhs
Head of A/C....3726
CER NO :....93..... 22/8/2022

TA

CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 12.00 lakhs.
Rupees Twelve lakhs Only.....
.....
Under P-3726
.....Zonal Public Works.
Registered as ( ) No ... 9 9
Subject to conditions ... in
enclosed memo EE ( ) No 53 ...../S/
Dt.23/8/2022 ... Estimate Sanctioned
BBMP/EE/YNK-D/TS/53/22-23 No.53
Dated ...23/8/2022 Rs.12.00 lakhs

Executive Engineer

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